

IN THE SPECIFICATION

The following paragraphs in the specification have been modified to correct errors.

Please replace the paragraph 0043 as originally filed with the following paragraph:

First, plots of the transfer functions will aid a skilled probe designer. The effect of each of the x_k on the parameters of the image CTQs y_i and the overall performance Y can be quickly visualized through main effects plots. This builds intuition in an uncertain environment. The quantitative effect of each tradeoff is made plain.

Second, the partial derivatives

$$\frac{\partial y_i}{\partial x_k} \text{ and } \frac{\partial Y}{\partial x_k}$$

show the sensitivity of the design to manufacturing variability. The computation of transfer functions provides a far more complete picture than was previously available using the standard design practice of “point” performance evaluations.

Please replace the paragraph 0080 as originally filed with the following paragraph:

When the user gets to the XducerDone page (58 in FIG. 7), the user has finished specifying the characteristics of the transducer being simulated, at least so far as the ultrasound simulator ~~understands them~~. The remaining windows are used to tell the ultrasound simulator how to set up the conditions under which this transducer will be simulated. Window 58 has no input parameters, and is presented to the user as a kind of progress indicator. To proceed, the user clicks on the Next button.